

REMARKS

By this Amendment claim 1 has been amended to better define the inventive subject matter and to overcome the examiner's rejection under 35 U.S.C. 112. Entry is requested.

In the outstanding Office Action the examiner has rejected claims 1-7 under 35 U.S.C. 103(a) as being unpatentable over Taub et al. in view of DaSilva et al.

The inventor asserts that this rejection is without merit.

Taub et al. disclose a method, system and device for positioning and fixing an orthodontic element of a surface of a tooth, the method including bringing the element into proximity of the tooth while continuously capturing an image of at least the tooth or the element, and an image of both, once the tooth and the element are proximal to one another, transmitting the image or its representation to a display for displaying a real life image of the captured image or representation, together with indicators providing guidance information or intended position of the orthodontic element on the tooth's surface, positioning the element on the tooth's surface according to the indicators such that the element's position coincides with the intended position, and fixing the element onto the tooth. However, there is only a two-dimensional image involved; no computing of position-dependent surface features of a three-dimensional data set relating to the surface of the preparation site relative to a desired position of an implant to be inserted into a cavity.

There is no use of a horizontal line as the machining goes further and further into the drill hole.

DaSilva et al. disclose a dental drill that includes one or multiple single mode fibers to image the vicinity of the drill tip.

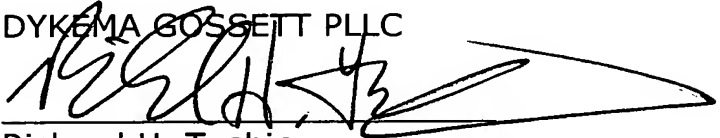
Thus, even if the dental drill were used in Taub et al., the presently claimed invention would still not be suggested.

Favorable reevaluation is requested.

Respectfully submitted,

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